

RESPONDER CELLS: RAT SPLEEN CELLS  
STIMULATOR CELLS: HUMAN HEPATOCYTES

SPLEEN(S): SPLEEN CELLS FROM RATS  
TREATED WITH SALINE WHEN THEY WERE  
FETUSES.

HEP: IRRADIATED HUMAN HEPATOCYTES.

SPLEEN(IU): SPLEEN CELLS FROM RATS  
TOLERIZED BY INTRAUTERINE INJECTION OF  
HUMAN HEPATOCYTE LYSATES.

SPLEEN(IU/IS): SPLEEN CELLS FROM RAT  
TOLERIZED BY INTRAUTERINE INJECTION OF  
HUMAN HEPATOCYTE LYSATES FOLLOWED  
BY INTRASPLENIC TRANSPLANTATION OF  
HUMAN HEPATOCYTES AFTER BIRTH.

FIG.1

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1 2 3 4 5

FIG.2

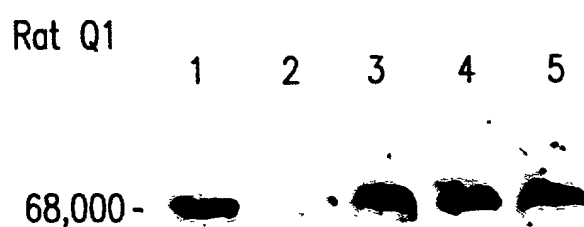


FIG.3



FIG. 4A

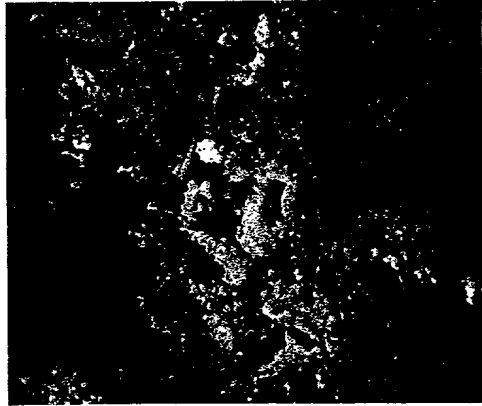


FIG. 4B

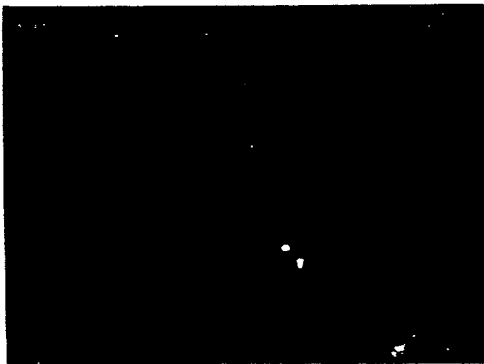


FIG. 4C



FIG. 4D

208230-78/03E660

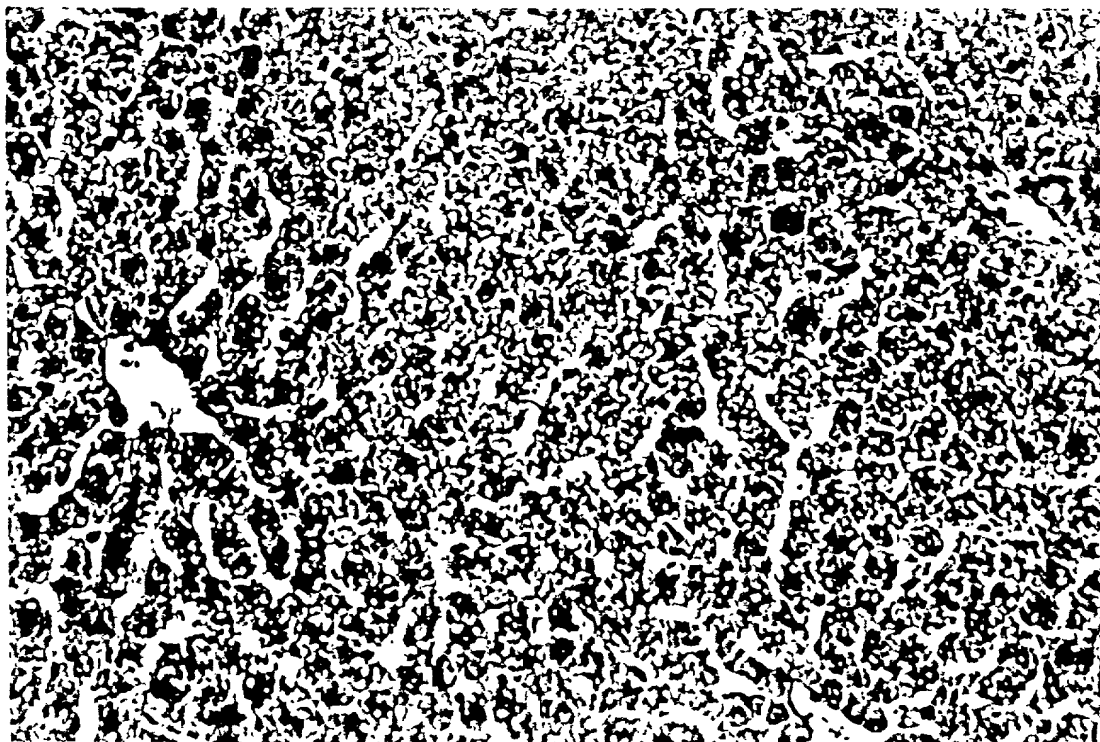


FIG.5

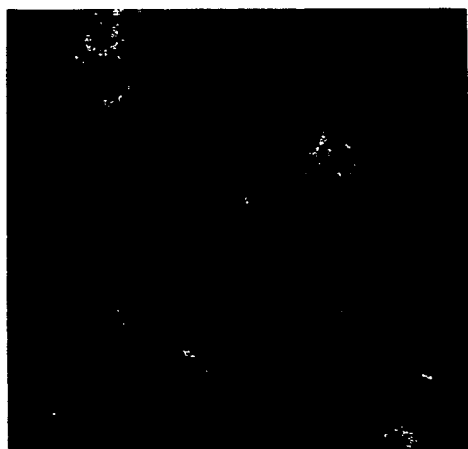


FIG.6A

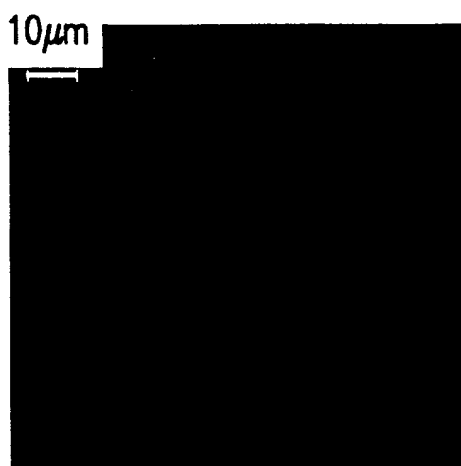


FIG.6B

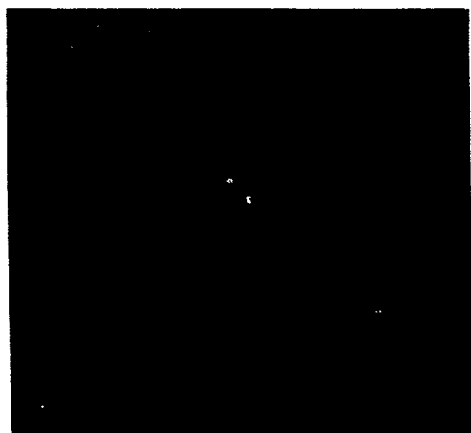


FIG.6C



FIG.6D

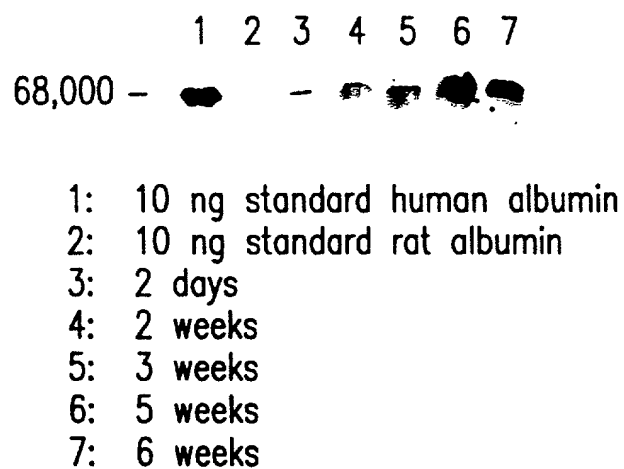


FIG.7

Time course of human albumin and HBV expression

Anti Human Albumin

Anti Hepatitis B Surface Antigen

1 week

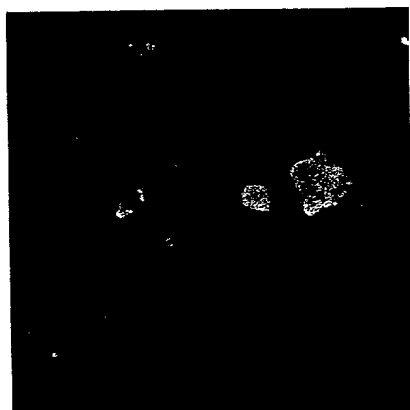


FIG. 8A

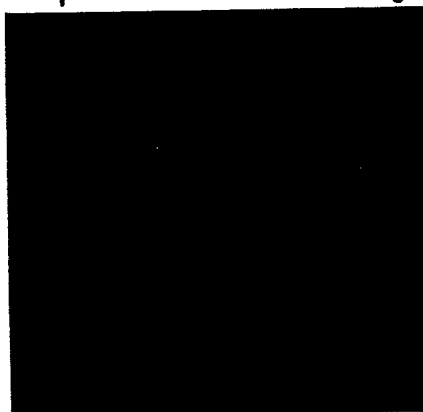


FIG. 8B

6 weeks

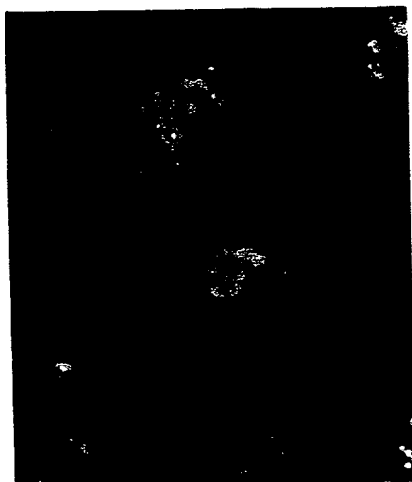


FIG. 8C

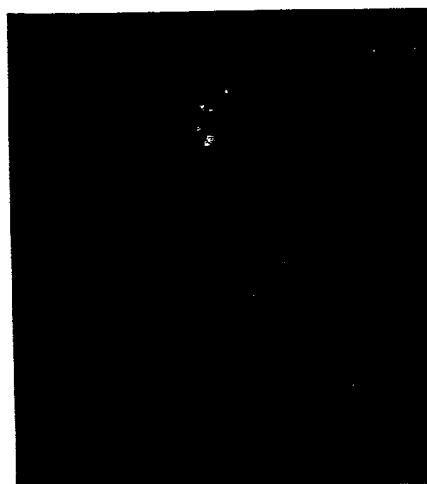


FIG. 8D

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14 weeks



FIG. 8E

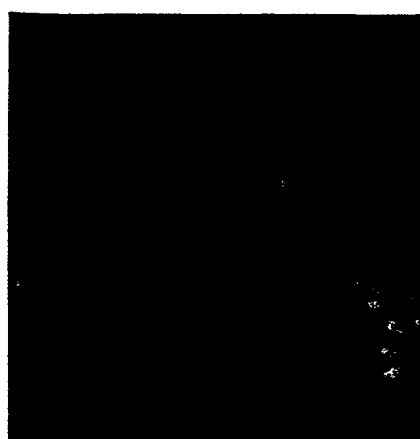


FIG. 8F

Rat CA2  
Hepatocytes  
Plus HBV

Anti Human Albumin



FIG.9A

Anti Hepatitis B Surface Antigen

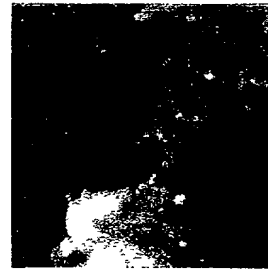


FIG.9B

Rat CA3  
Hepatocytes  
alone



FIG.9C

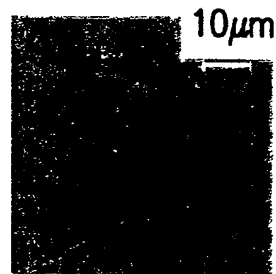


FIG.9D

Rat CA5  
HBV alone

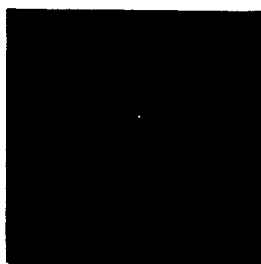


FIG.9E

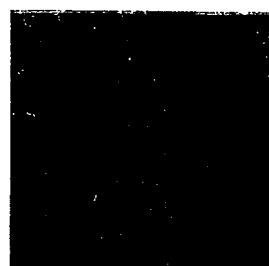


FIG.9F

Rat CA2  
minus primary Ab

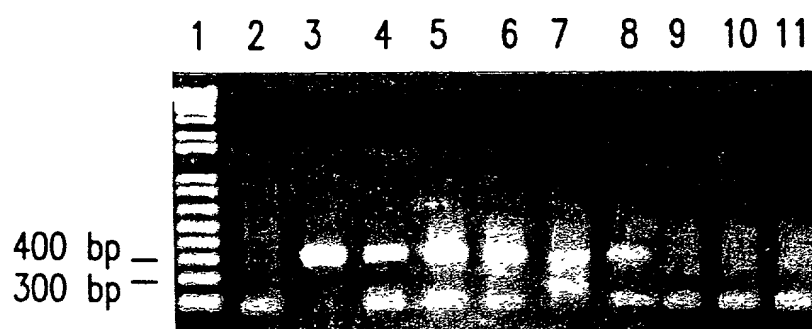


FIG.9G



FIG.9H

# RT-PCR Human Albumin mRNA



- 1: 1000 bp ladder
- 2: Rat RNA
- 3: Human RNA
- 4: HepG2.2.15 RNA
- 5: Rat CA1 — Human hepatocytes + HBV
- 6: Rat CA2 — Human hepatocytes + HBV
- 7: Rat CA3 — Human hepatocytes
- 8: Rat CA4 — Human hepatocytes
- 9: Rat CA5 — HBV
- 10: Rat CA6 — HBV
- 11: Rat CA7 — Saline

FIG.10

# RT-PCR Human Albumin RNA

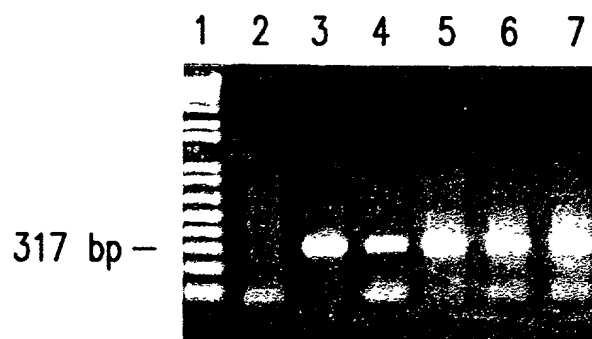
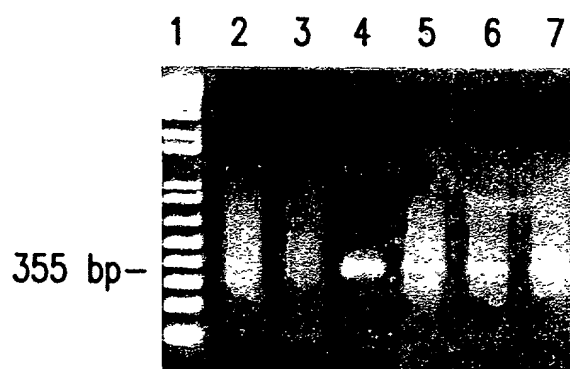


FIG.11A

# RT-PCR HBV RNA



- 1: 1 kbp ladder
- 2: Rat liver RNA
- 3: Human liver RNA
- 4: HepG2.2.15 RNA
- 5: Rat CA2 - Human hepatocytes + HBV,  
1 week post
- 6: Rat CA2 - 6 weeks post
- 7: Rat CA2 - 14 weeks post

FIG.11B

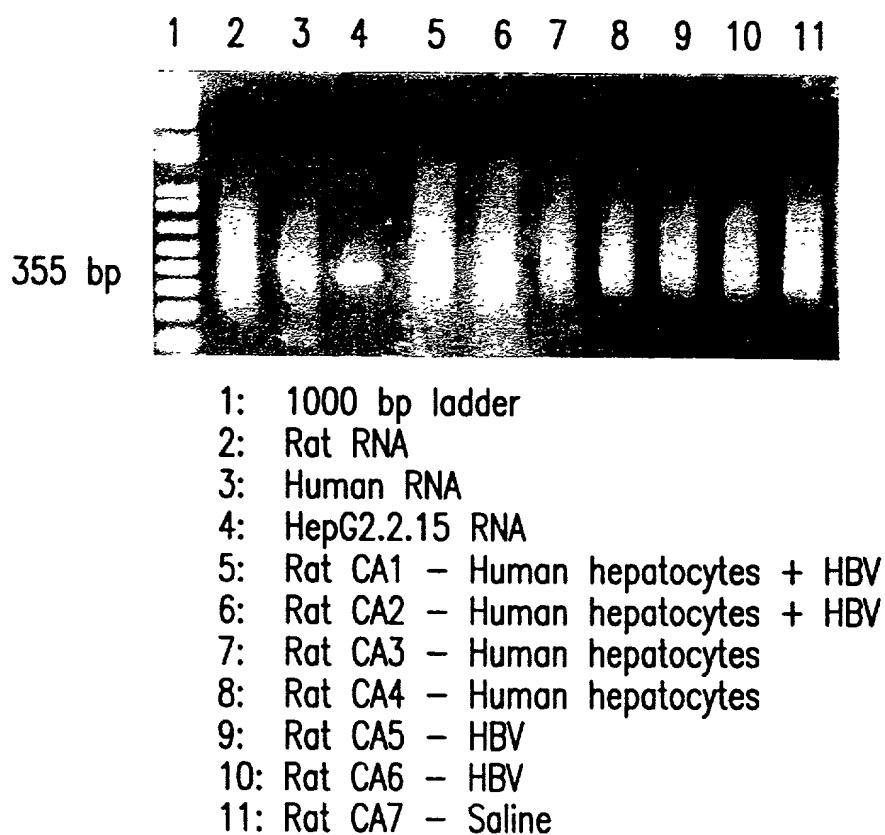
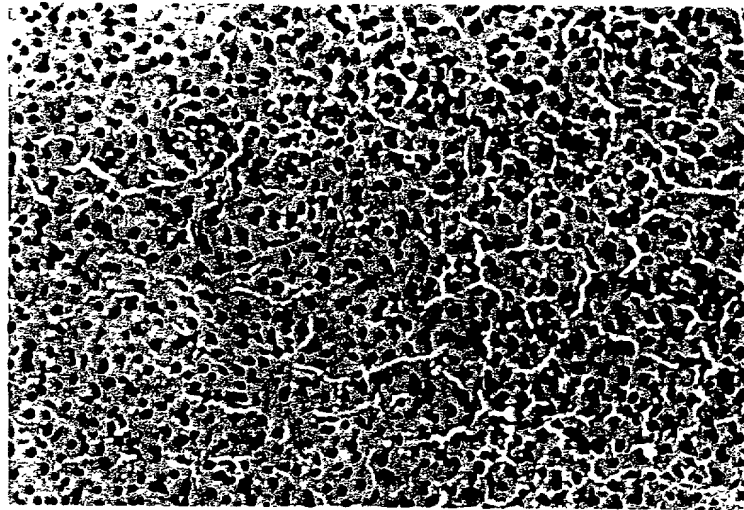


FIG.12

Hepatocytes  
plus HBV

1 week

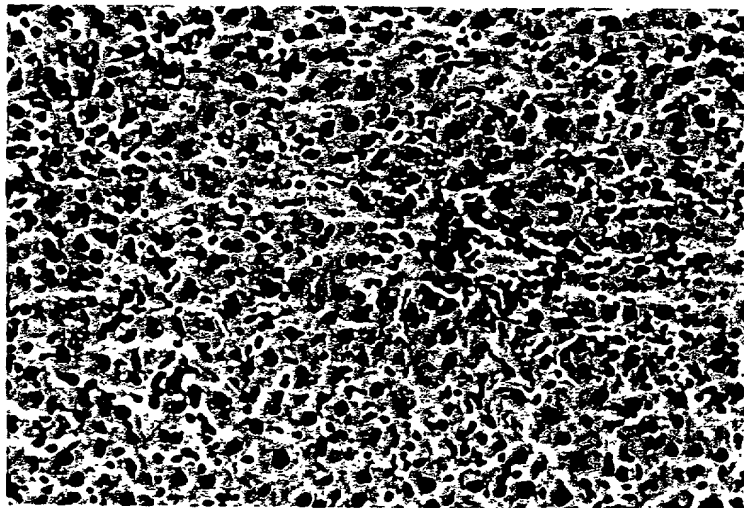
FIG.13A



Hepatocytes  
plus HBV

6 weeks

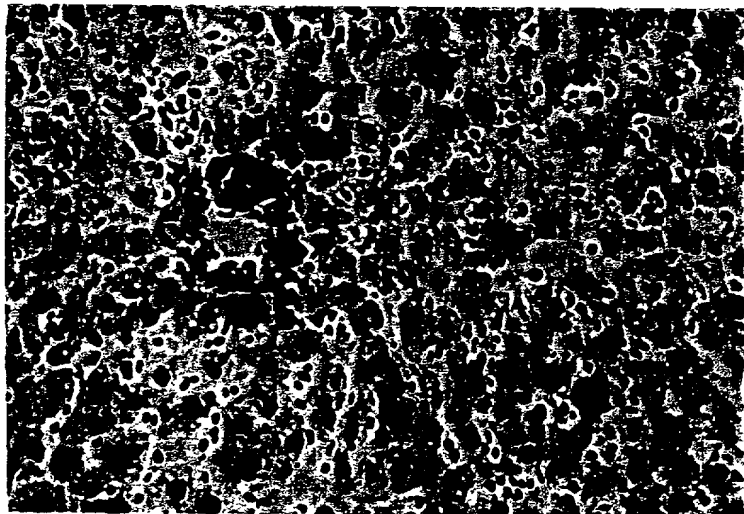
FIG.13B



Hepatocytes  
plus HBV

14 weeks

FIG.13C



Hepatocytes  
plus HBV

1 week

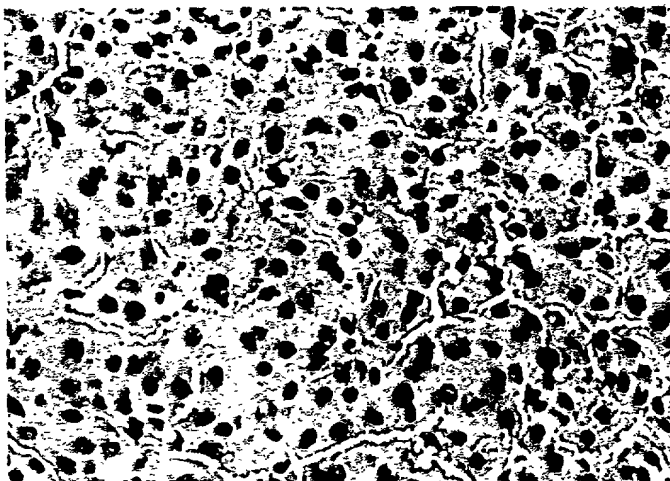


FIG.14A

Hepatocytes  
plus HBV

6 weeks

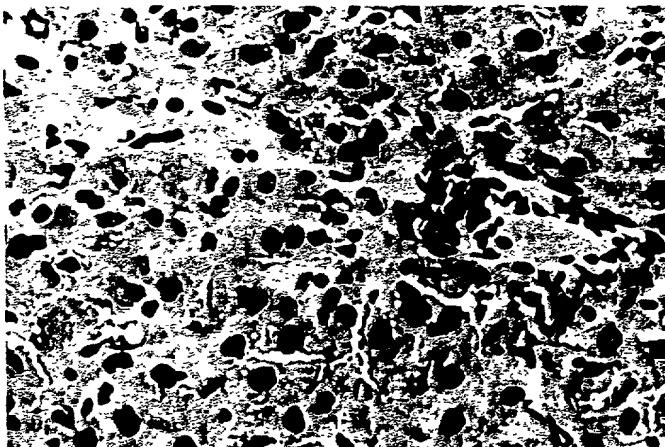


FIG.14B

Hepatocytes  
plus HBV

14 weeks

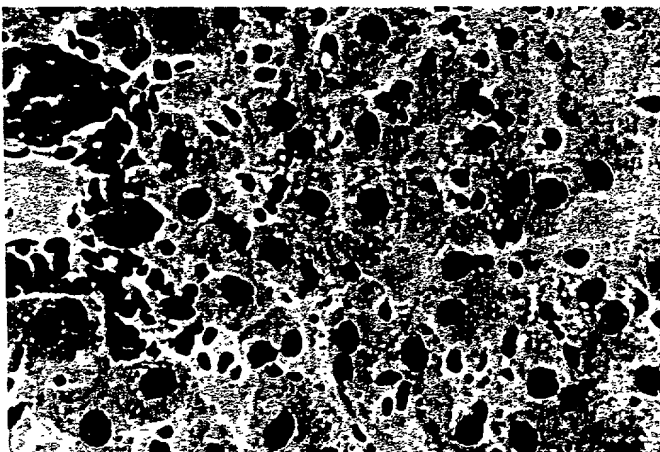


FIG.14C



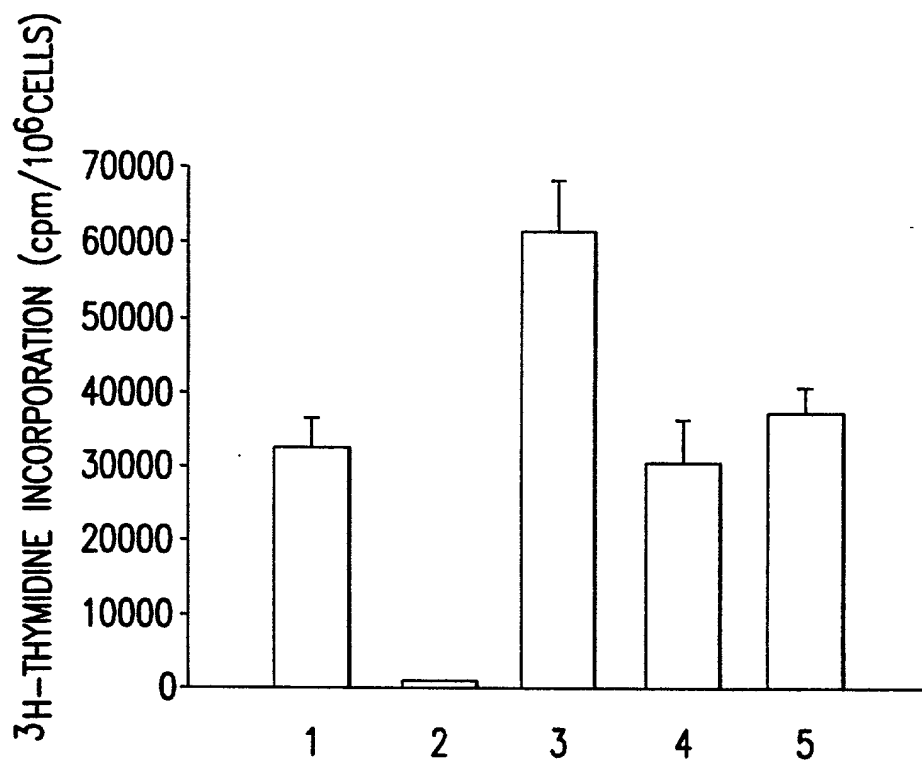


FIG. 15



FIG. 16A

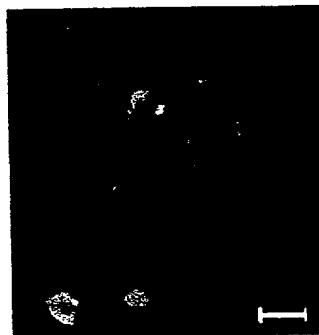


FIG. 16B

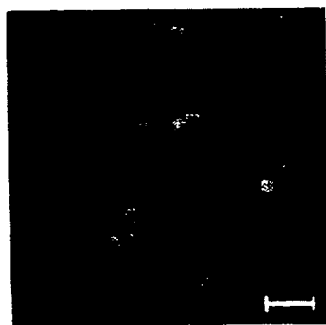


FIG. 16C

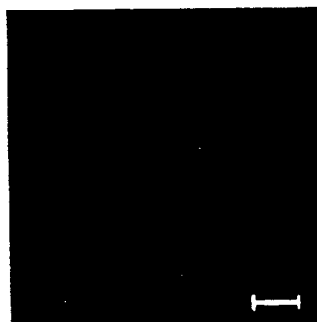


FIG. 16D

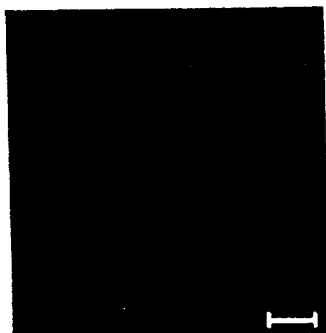


FIG. 16E

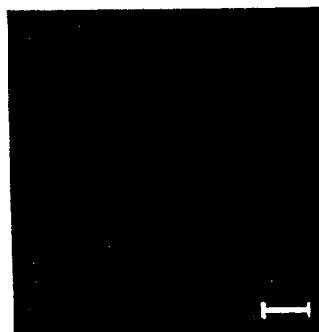


FIG. 16F

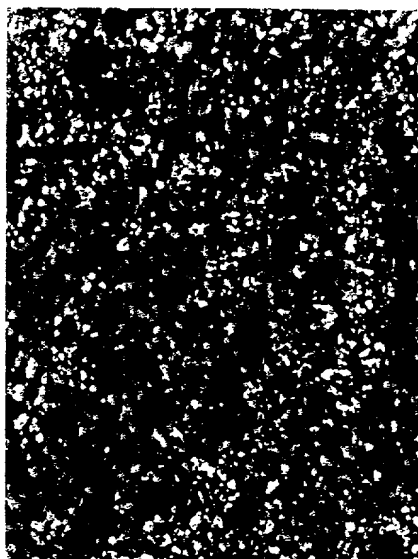


FIG.17A



FIG.17B

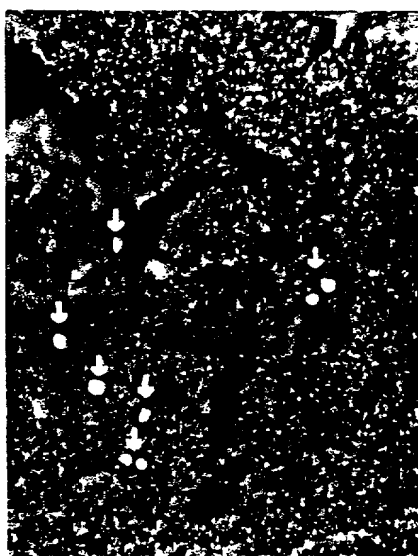


FIG.17C

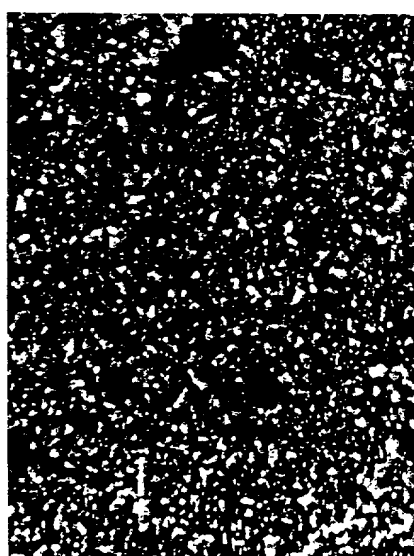


FIG.17D

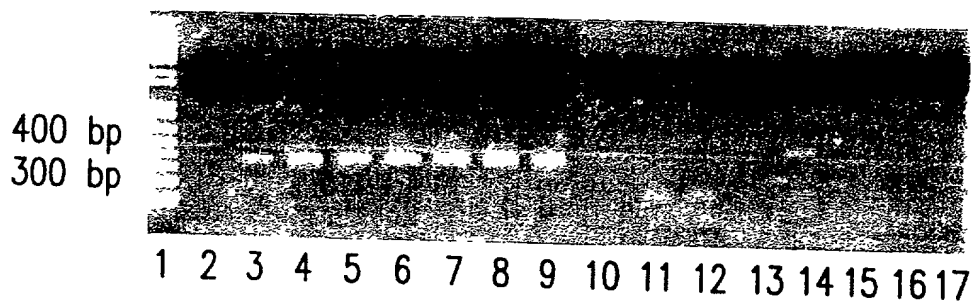


FIG.18A

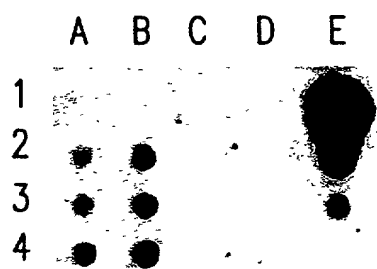


FIG.18B

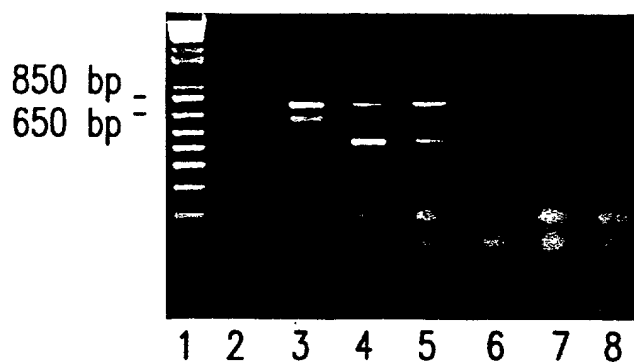


FIG.19A

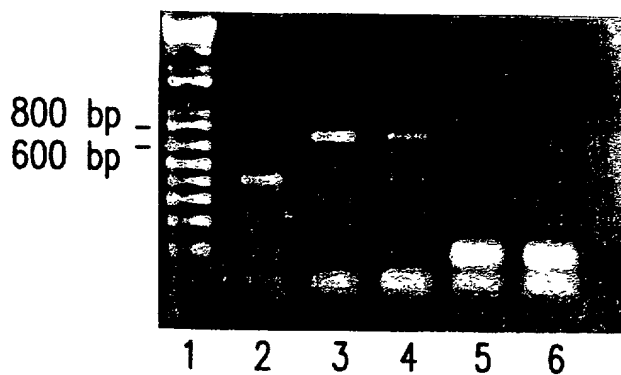


FIG.19B

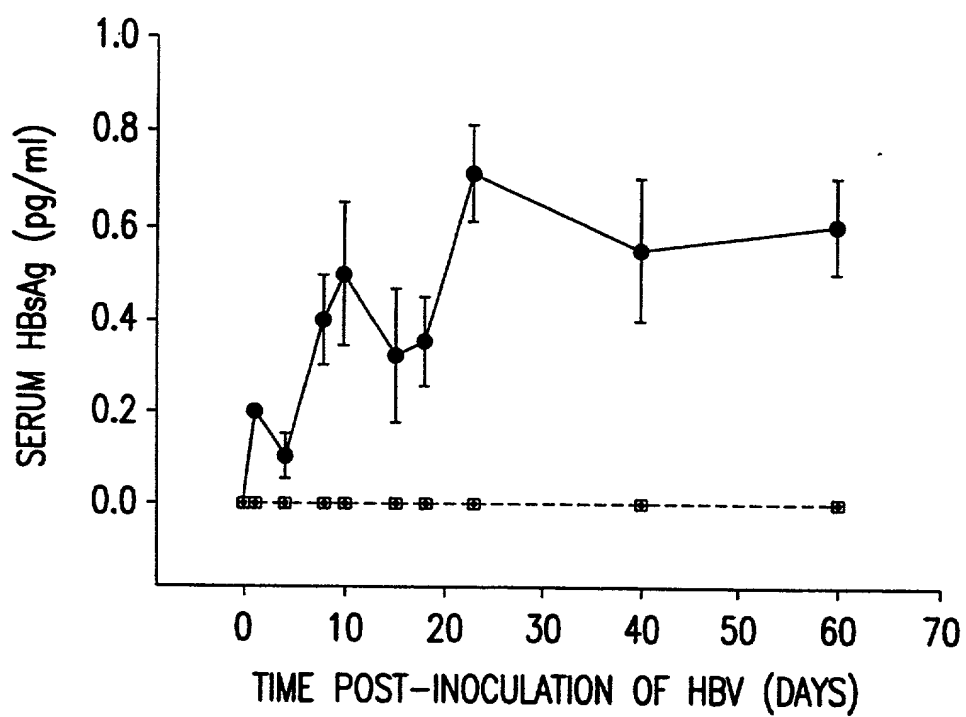
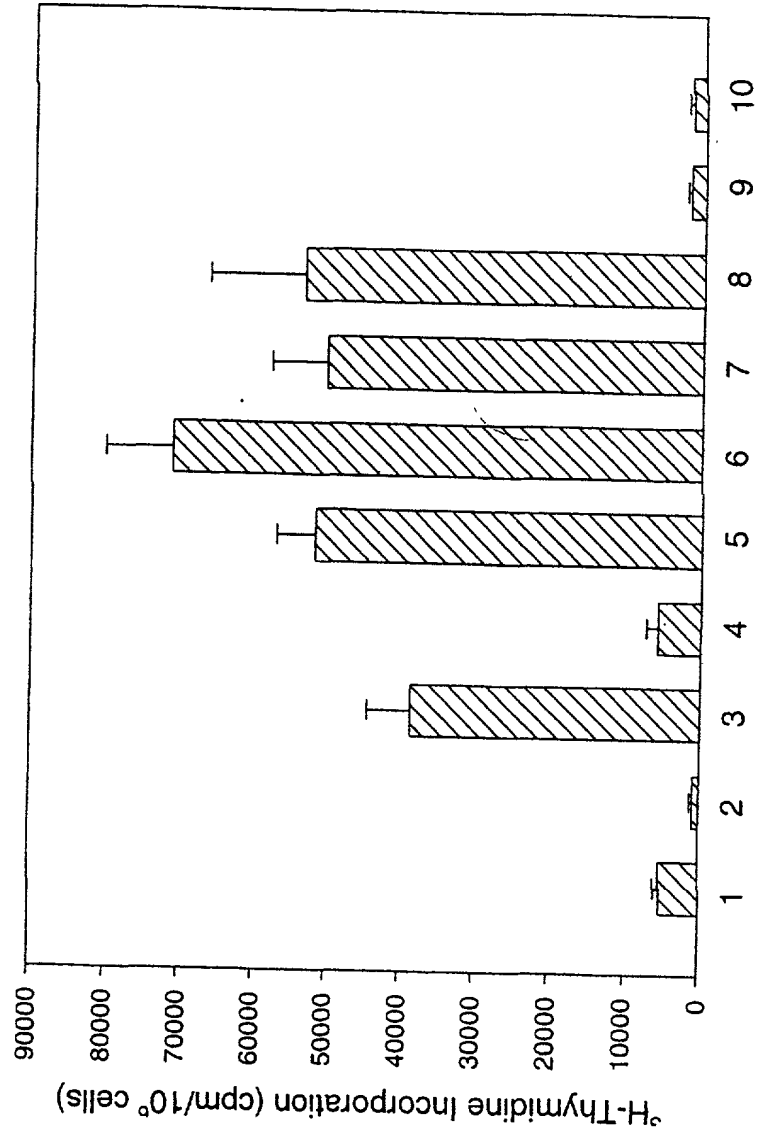


FIG.20

FIG. 21



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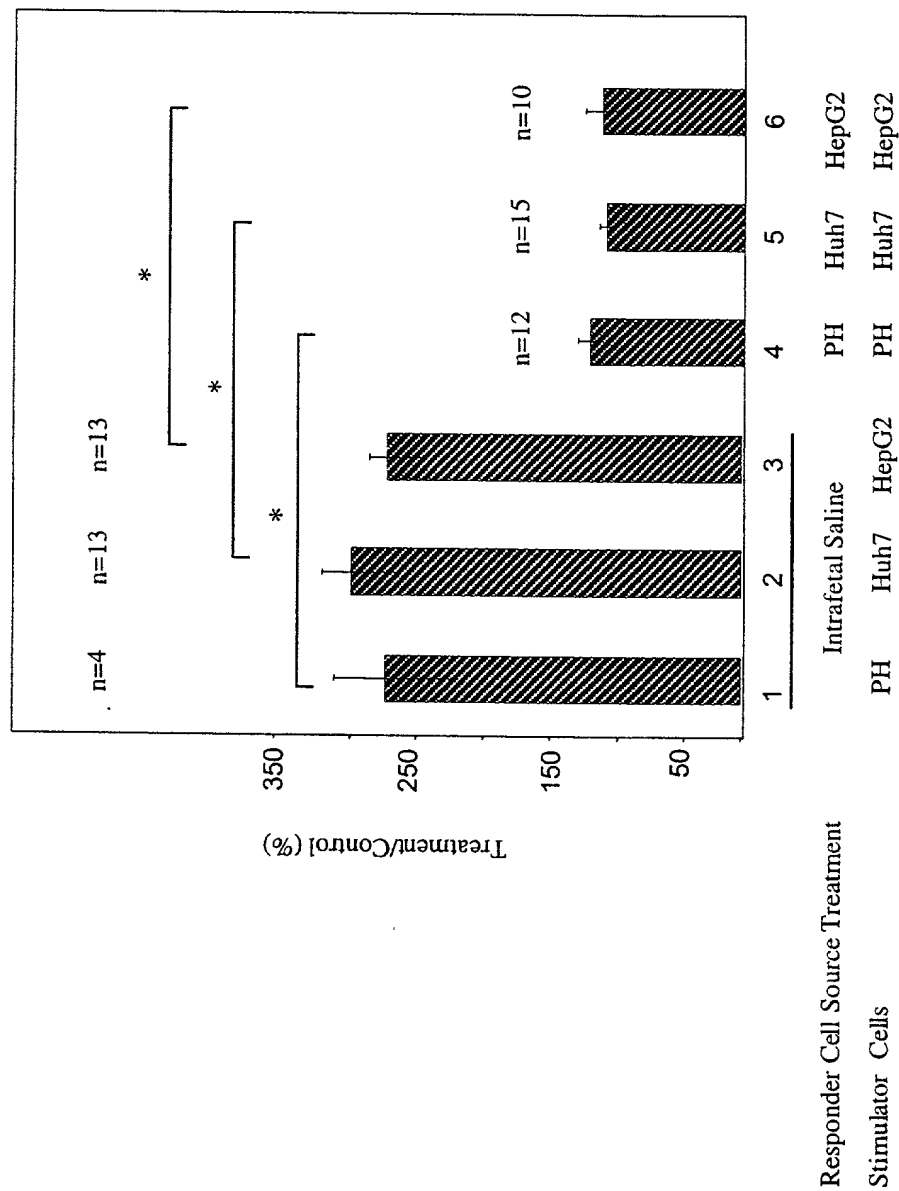


FIG. 22

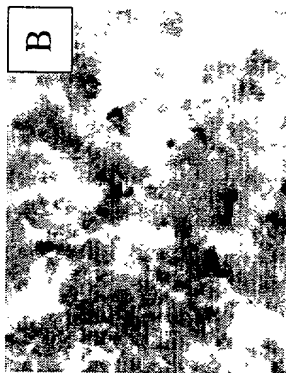


Day 1



X125

FIG. 23A



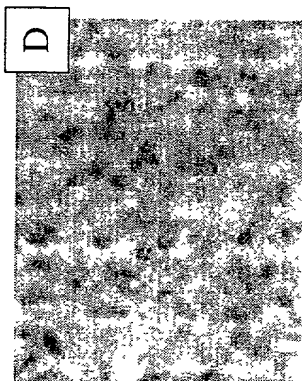
X250

FIG. 23B



X125

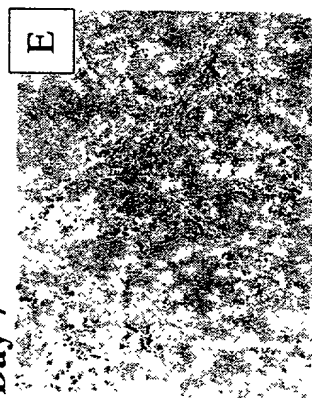
FIG. 23C



X250

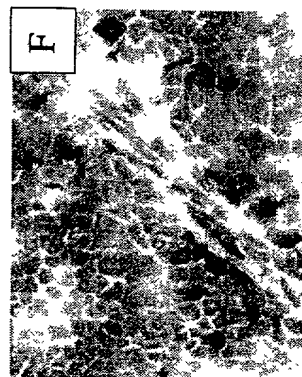
FIG. 23D

Day 7



X125

FIG. 23E



X250

FIG. 23F

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FIG. 24A

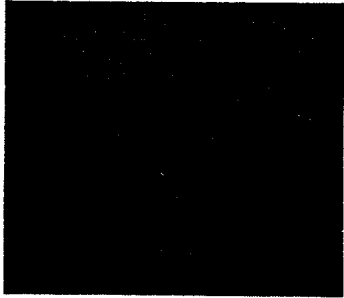


FIG. 24B



FIG. 24C

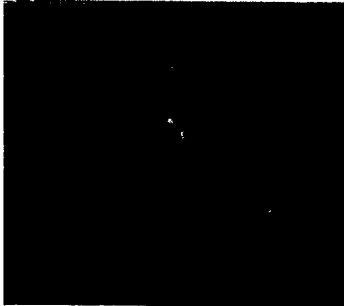
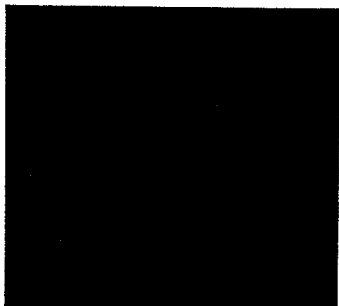


FIG. 24D



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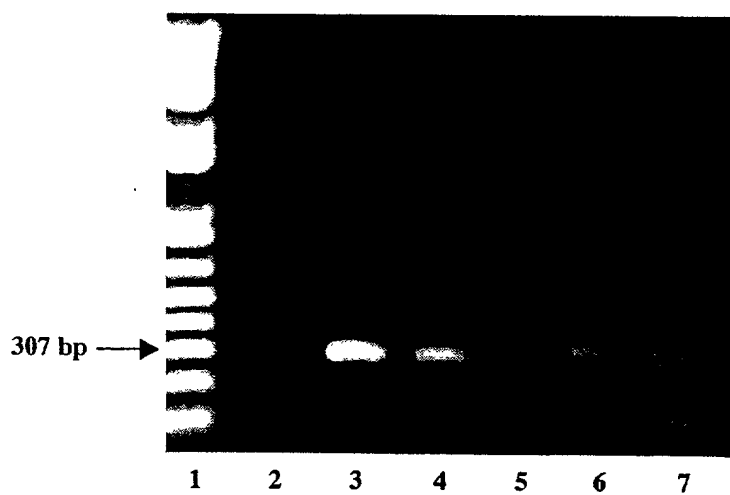


FIG. 25

FIG. 26A

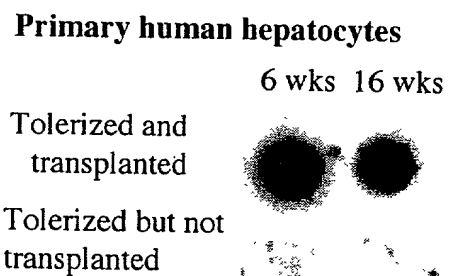


FIG. 26B

**palb3 plasmid**

100 pg 10 pg 1 pg



Arbitrary Units



FIG. 26C

FIG. 27A

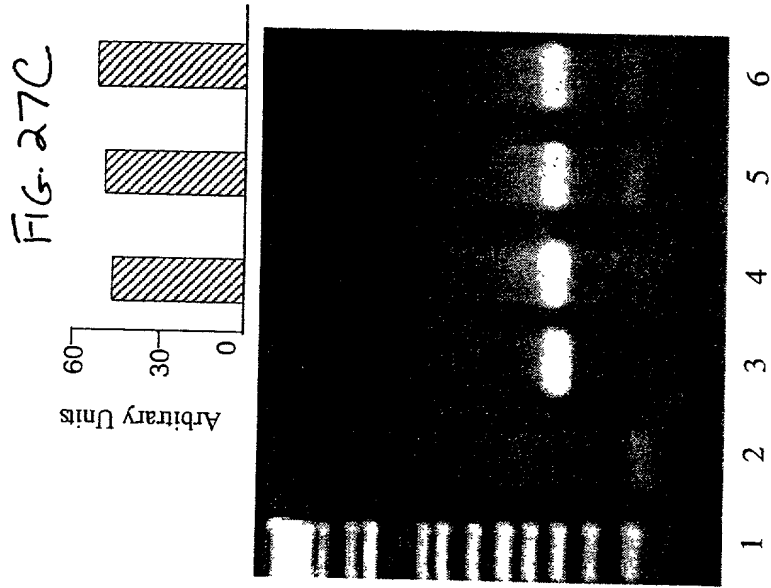
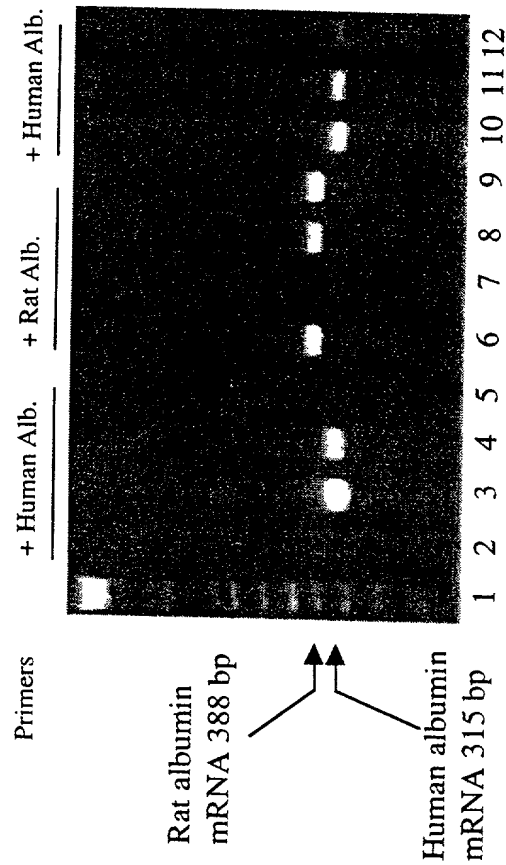


FIG. 27B

1 2 3 4 5 6



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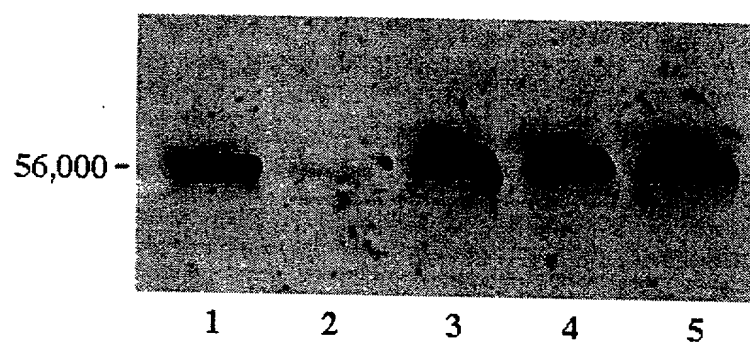


FIG. 28

**human Albumin**



FIG. 29A

**BrdU**

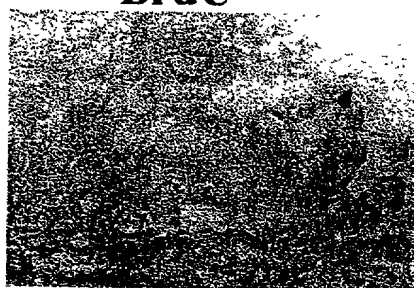


FIG. 29B

**Tolerized  
with T3  
no trans-  
plantation**

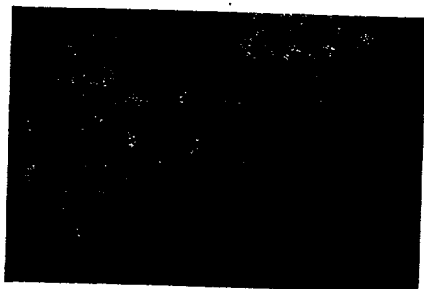


FIG. 29C

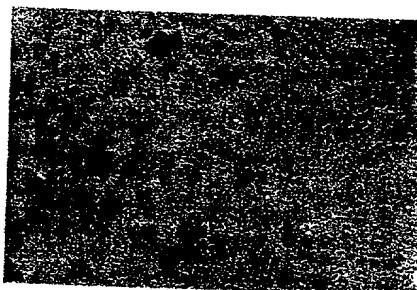


FIG. 29D

**Tolerized  
with T3  
and trans-  
plantation**

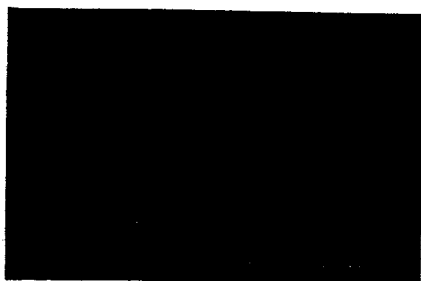


FIG. 29E



FIG. 29F

**Control  
no T3  
no trans-  
plantation**

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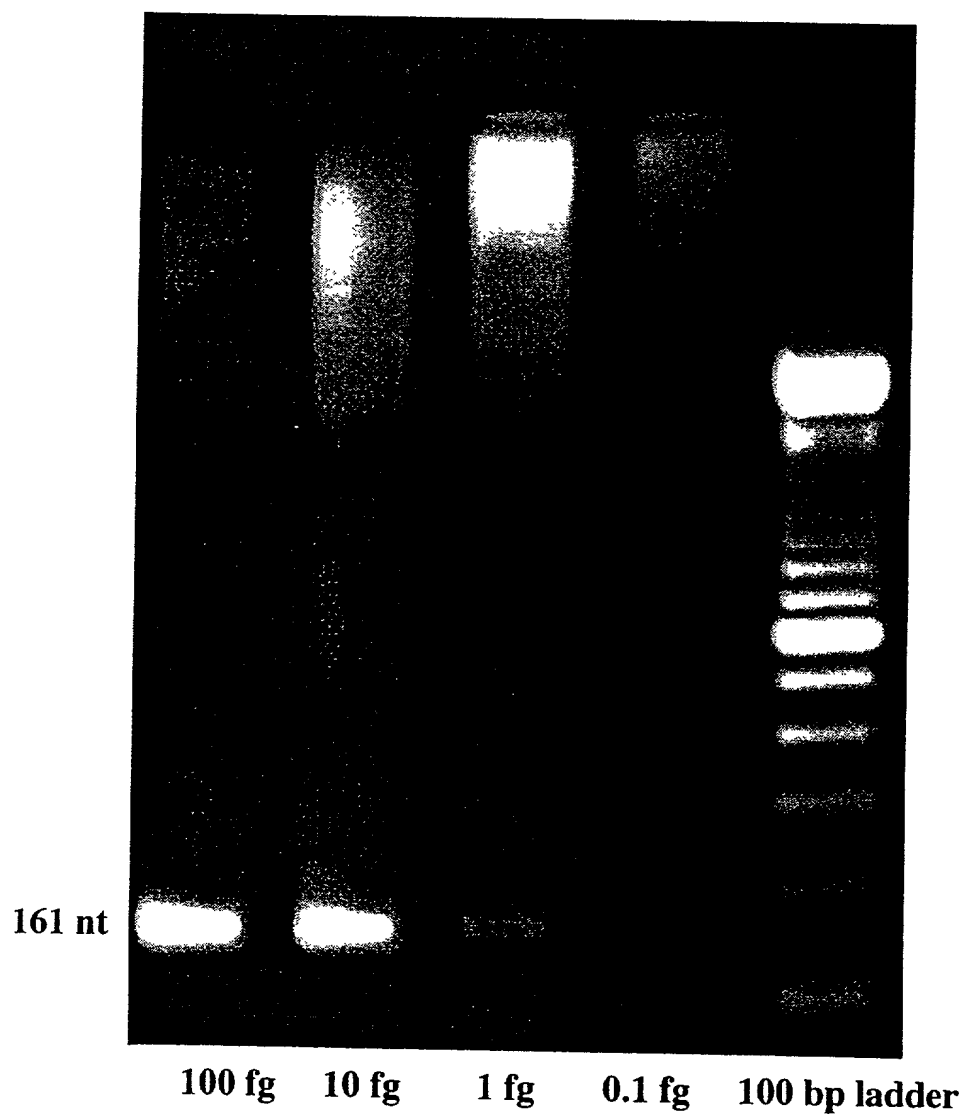


FIG. 30



Time Post-HCV Inoculation (weeks)

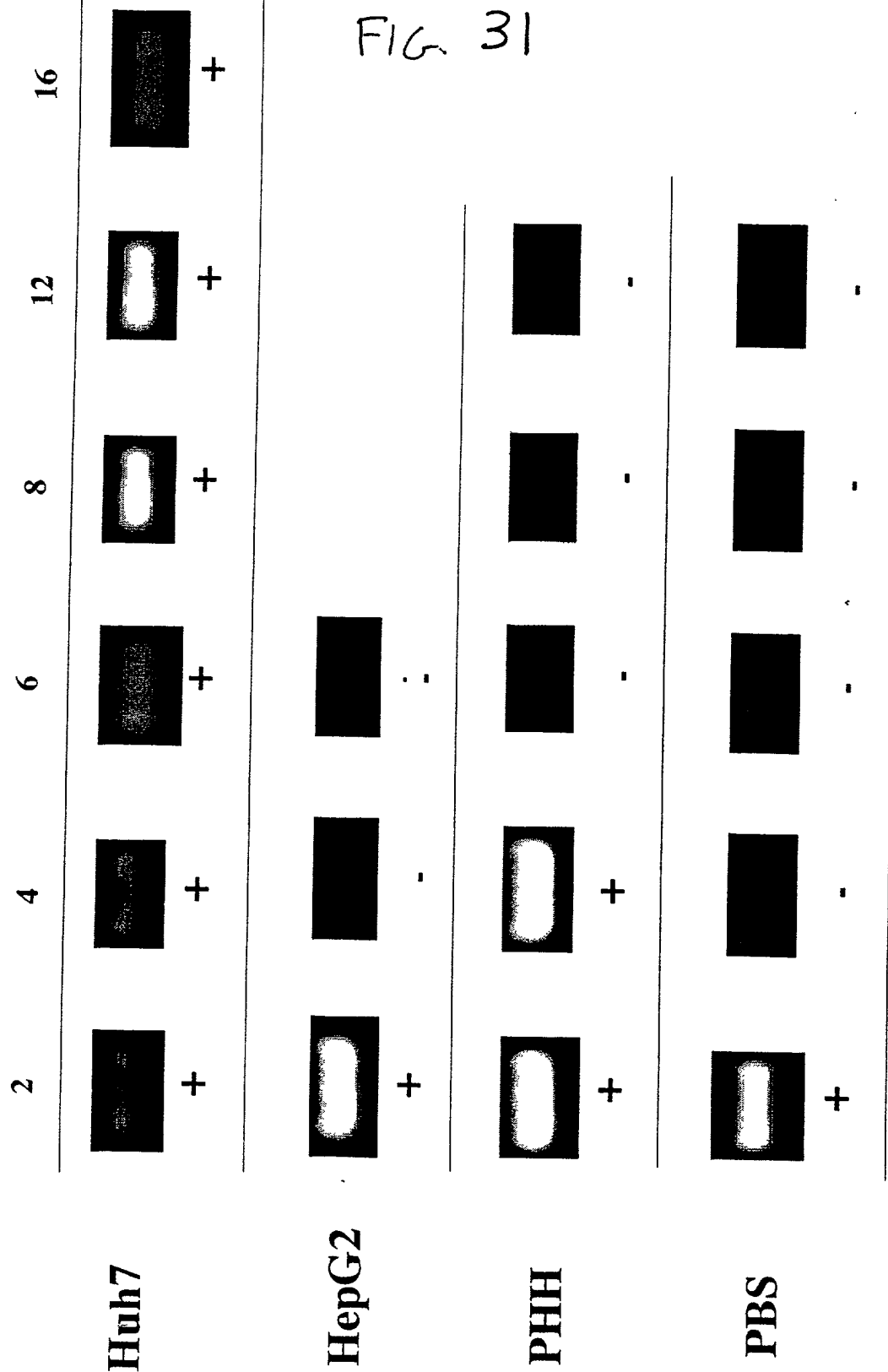


FIG. 32

Time Post-HCV Inoculation (weeks)

16

12

8

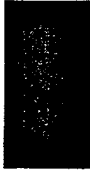
6

4

Huh7



+



+



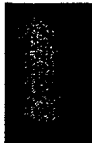
+



+

HepG2

PHH



+

PBS



+



-



-